

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/011004

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60K28/16 B60K41/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60K B60T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/084127 A1 (KOTTMANN MATTHIAS ET AL) 4 July 2002 (2002-07-04) claim 1	1-4, 8, 9, 11, 12, 14, 21
A		
Y		10, 13 15-17
X	EP 1 270 352 A (LAND ROVER) 2 January 2003 (2003-01-02) claim 1	1, 21
X	DE 101 14 273 A (MUNNIX PASCAL) 2 October 2002 (2002-10-02) claim 9	1, 2, 21
Y	US 5 731 975 A (NAKASHIMA SEIICHI) 24 March 1998 (1998-03-24) page 1; claim 1; figure 1	15-17
	-/--	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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* & * document member of the same patent family

Date of the actual completion of the international search

4 November 2004

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17/11/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2001/054520 A1 (NAGAE AKIRA ET AL) 27 December 2001 (2001-12-27) abstract; claims 1,8-10 -----</p>	5-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/011004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002084127 A1	04-07-2002	DE 19913825 A1 JP 2000314331 A	28-09-2000 14-11-2000
EP 1270352 A	02-01-2003	EP 1270352 A1 GB 2377279 A US 2002195873 A1	02-01-2003 08-01-2003 26-12-2002
DE 10114273 A	02-10-2002	DE 10114273 A1	02-10-2002
US 5731975 A	24-03-1998	JP 3314539 B2 JP 7156780 A DE 19528553 A1	12-08-2002 20-06-1995 15-02-1996
US 2001054520 A1	27-12-2001	JP 2002002470 A DE 10130901 A1	09-01-2002 04-04-2002